

Data Path : Z:\HPCHEM1\BNA F\DATA\BF060217\
 Data File : BF095647.D
 Acq On : 2 Jun 2017 22:13
 Operator : SJ/MA
 Sample : I3440-01 5X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 03 01:34:36 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 01 18:51:16 2017
 Response via : Initial Calibration

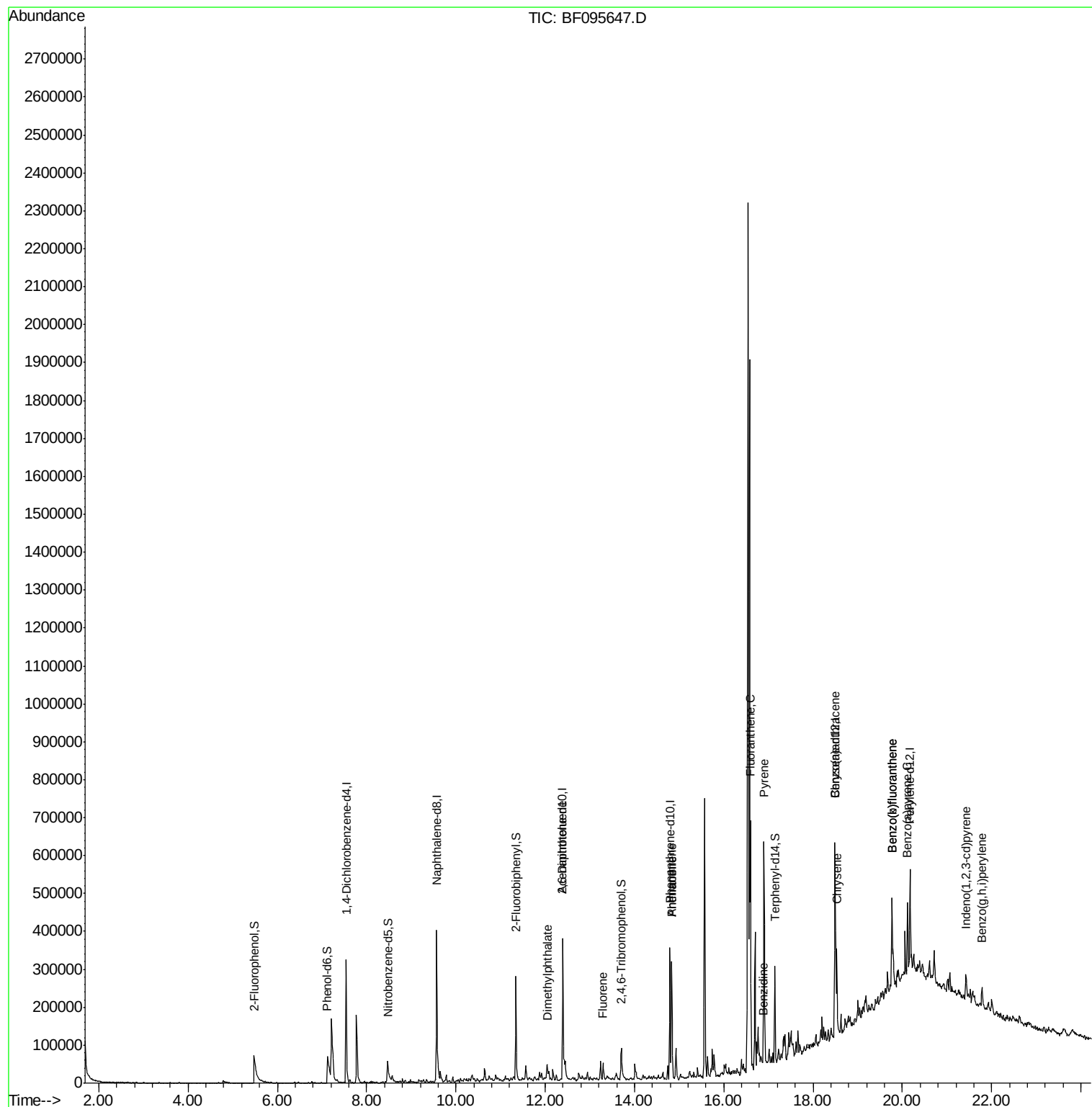
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.54	152	77613	20.00	ng	0.00
21) Naphthalene-d8	9.57	136	283646	20.00	ng	0.00
38) Acenaphthene-d10	12.39	164	106377	20.00	ng	0.00
63) Phenanthrene-d10	14.80	188	163852	20.00	ng	0.00
75) Chrysene-d12	18.50	240	166458	20.00	ng	0.00
86) Perylene-d12	20.17	264	119619	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	97646	20.98	ng	0.04
7) Phenol-d6	7.12	99	109162	19.54	ng	0.02
23) Nitrobenzene-d5	8.47	82	63313	14.08	ng	0.00
41) 2,4,6-Tribromophenol	13.70	330	15292	17.55	ng	0.00
44) 2-Fluorobiphenyl	11.35	172	124190	16.80	ng	0.00
78) Terphenyl-d14	17.14	244	84464	11.18	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	12.05	163	25060	2.87	ng	97
50) 2,6-Dinitrotoluene	12.39	165	13479	7.57	ng	# 31
57) Fluorene	13.30	166	16505	2.03	ng	97
70) Phenanthrene	14.83	178	175105	18.60	ng	99
71) Anthracene	14.83	178	175105	18.21	ng	99
74) Fluoranthene	16.60	202	266005	27.54	ng	98
76) Benzidine	16.87	184	119	6.61	ng	# 62
77) Pyrene	16.90	202	262129	21.06	ng	96
80) Benzo(a)anthracene	18.49	228	107988	11.15	ng	96
82) Chrysene	18.53	228	107349	11.46	ng	98
85) Indeno(1,2,3-cd)pyrene	21.43	276	43148	5.67	ng	91
87) Benzo(b)fluoranthene	19.77	252	158455	21.44	ng	# 96
88) Benzo(k)fluoranthene	19.77	252	158455	22.22	ng	99
89) Benzo(a)pyrene	20.12	252	83346	12.22	ng	97
91) Benzo(a,h,i)perylene	21.79	276	38489	6.96	ng	# 88

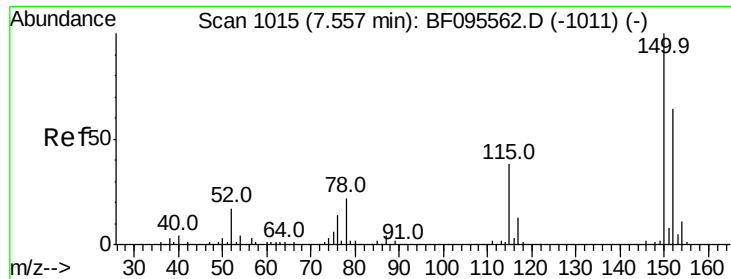
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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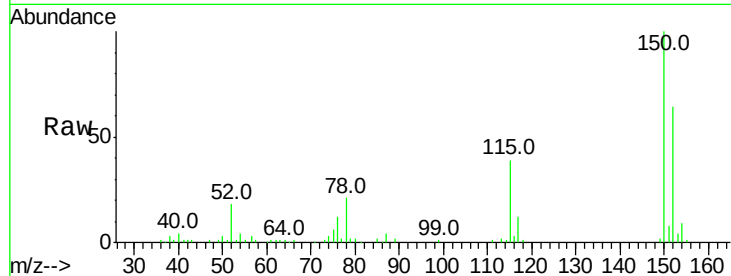


#1

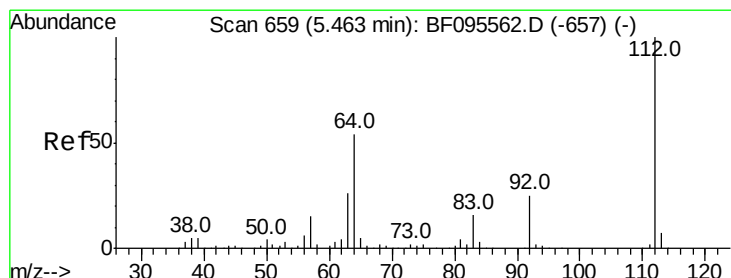
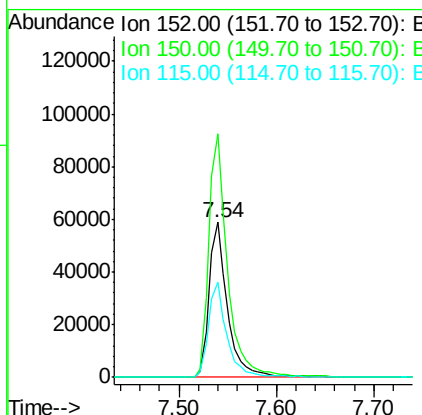
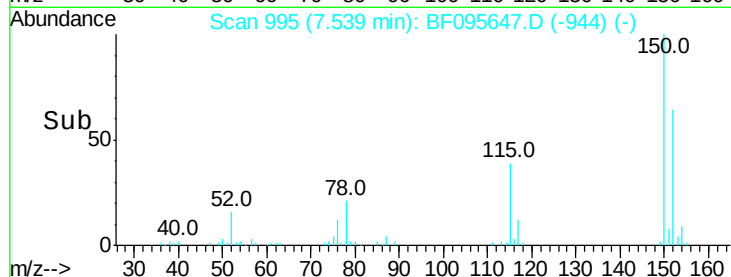
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.54 min Scan# 995
Delta R.T. 0.00 min
Lab File: BF095647.D
Acq: 2 Jun 2017 22:13

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 77613
Ion Ratio Lower Upper
152 100
150 157.3 126.2 189.2
115 61.2 52.2 78.2



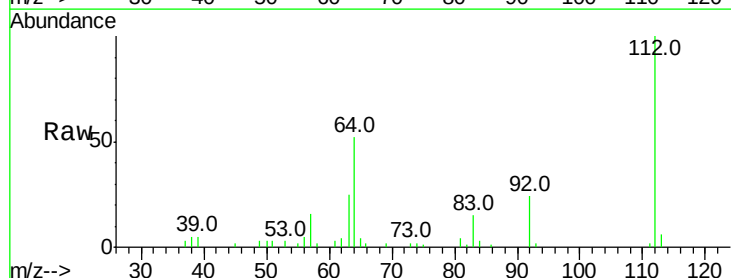
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



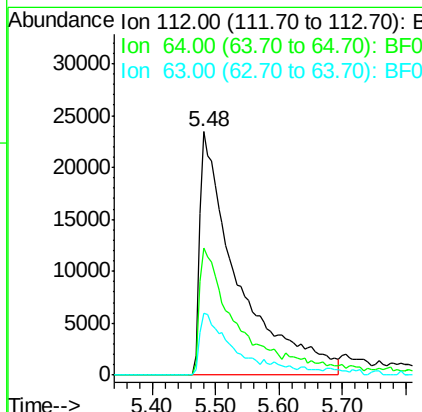
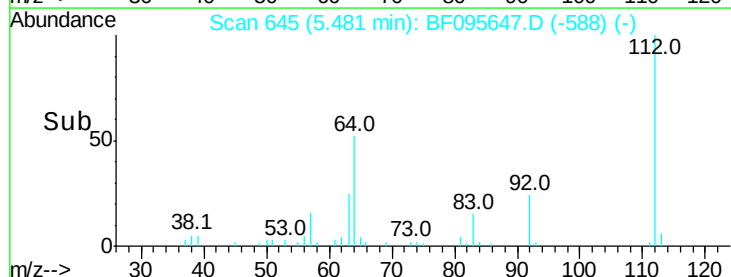
#5

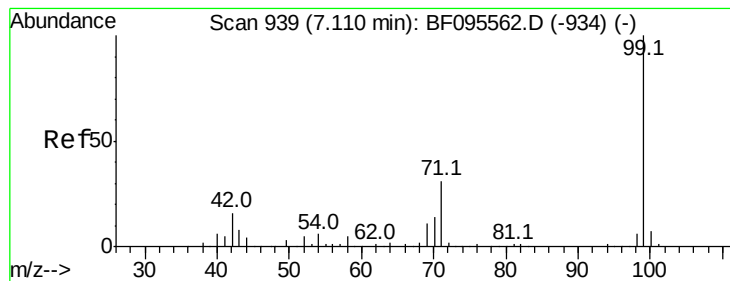
2-Fluorophenol
Concen: 20.98 ng
RT: 5.48 min Scan# 645
Delta R.T. 0.04 min
Lab File: BF095647.D
Acq: 2 Jun 2017 22:13

Tgt Ion:112 Resp: 97646
Ion Ratio Lower Upper
112 100
64 52.2 46.0 69.0
63 25.2 23.4 35.0



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 19.54 ng

RT: 7.12 min Scan# 924

Delta R.T. 0.02 min

Lab File: BF095647.D

Acq: 2 Jun 2017 22:13

Instrument :

BNA_F

ClientSampleId :

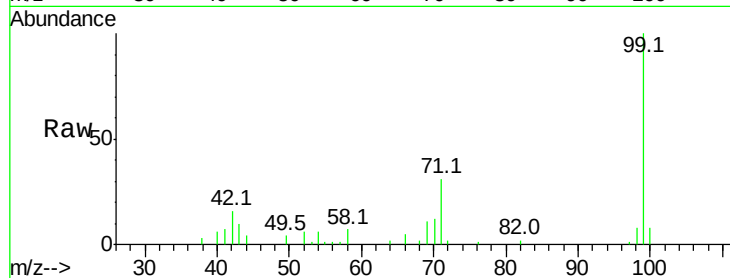
Tot Ion: 99 Resp: 109162

Ion Ratio Lower Upper

99 100

42 16.0 13.5 20.3

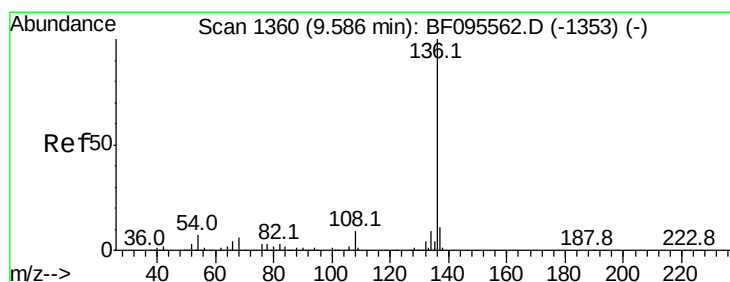
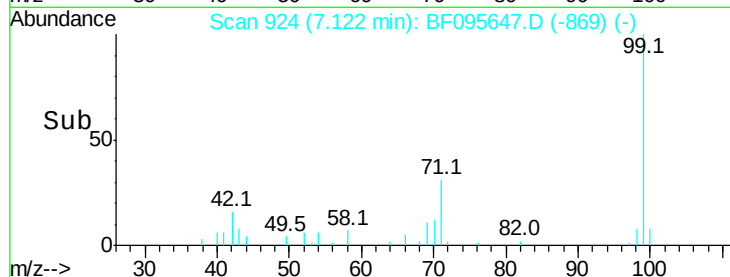
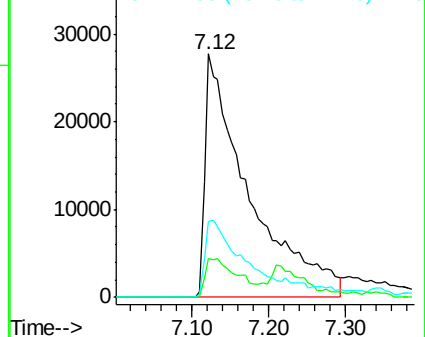
71 31.3 24.5 36.7



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.57 min Scan# 1340

Delta R.T. -0.01 min

Lab File: BF095647.D

Acq: 2 Jun 2017 22:13

Tgt Ion: 136 Resp: 283646

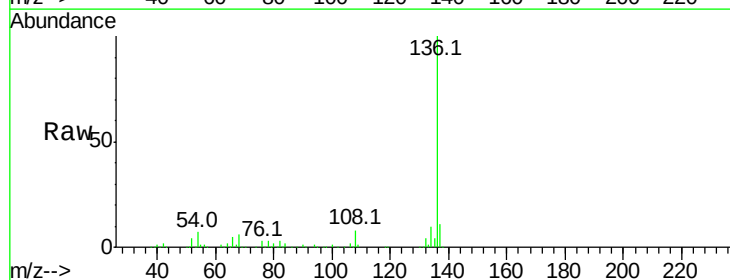
Ion Ratio Lower Upper

136 100

137 10.8 8.5 12.7

54 7.3 4.9 7.3

68 5.8 4.1 6.1

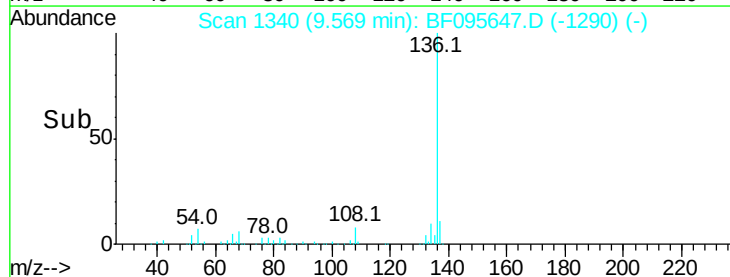
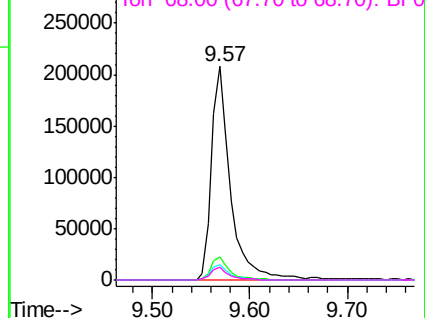


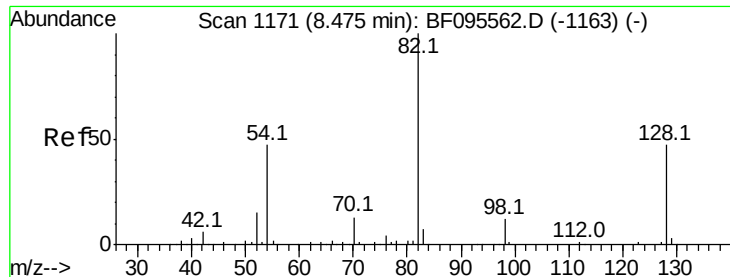
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0

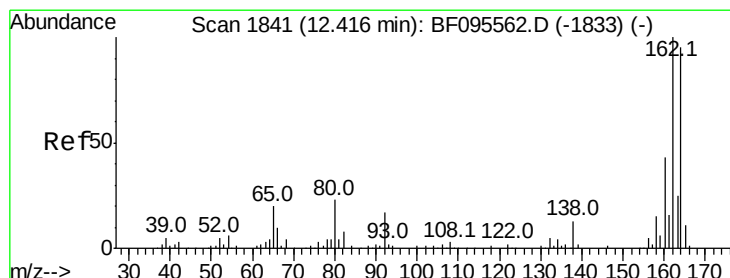
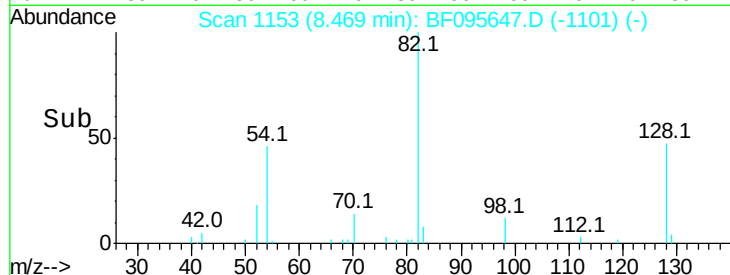
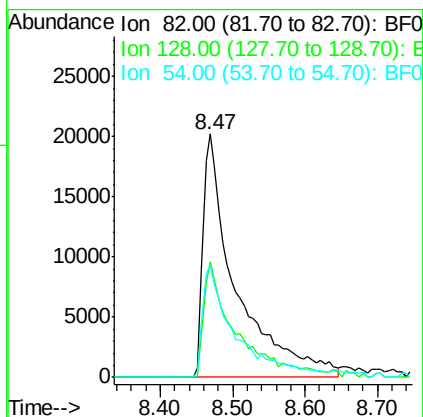
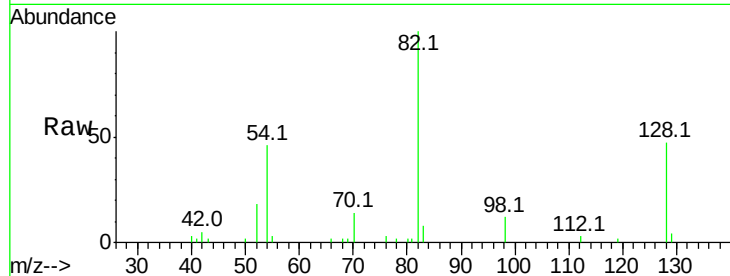




#23
Nitrobenzene-d5
Concen: 14.08 ng
RT: 8.47 min Scan# 1153
Delta R.T. 0.01 min
Lab File: BF095647.D
Acq: 2 Jun 2017 22:13

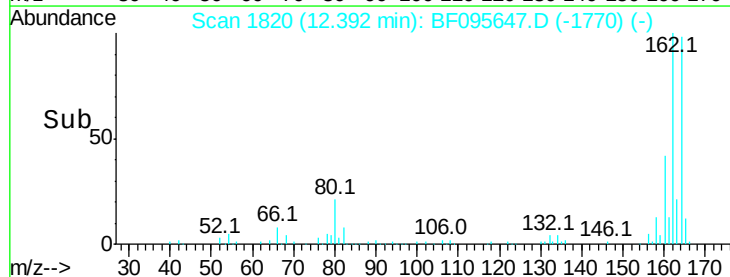
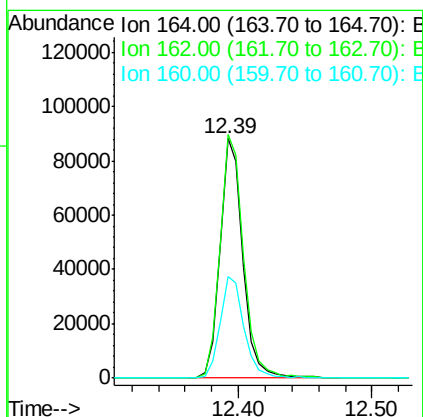
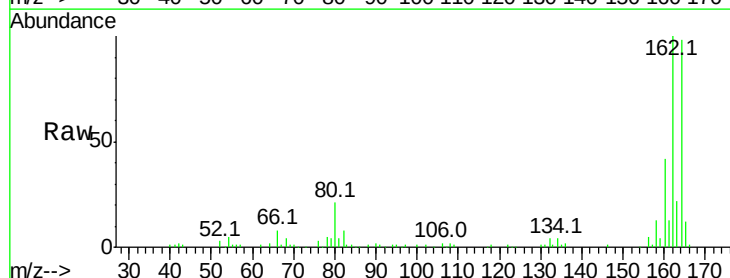
Instrument :
BNA_F
ClientSampled :

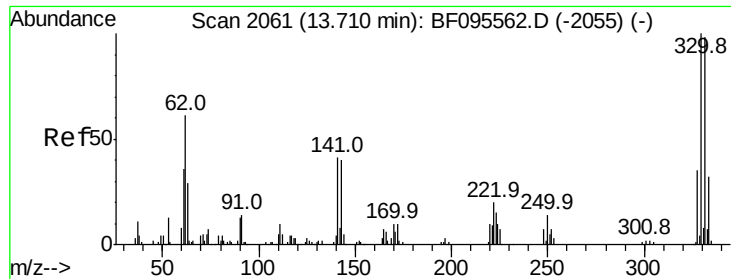
Tot Ion: 82 Resp: 63313
Ion Ratio Lower Upper
82 100
128 47.5 34.0 51.0
54 45.9 42.2 63.2



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.39 min Scan# 1820
Delta R.T. -0.01 min
Lab File: BF095647.D
Acq: 2 Jun 2017 22:13

Tgt Ion:164 Resp: 106377
Ion Ratio Lower Upper
164 100
162 101.7 82.6 123.8
160 42.3 36.2 54.2





#41

2,4,6-Tribromophenol

Concen: 17.55 ng

RT: 13.70 min Scan# 2043

Delta R.T. 0.01 min

Lab File: BF095647.D

Acq: 2 Jun 2017 22:13

Instrument :

BNA_F

ClientSampleId :

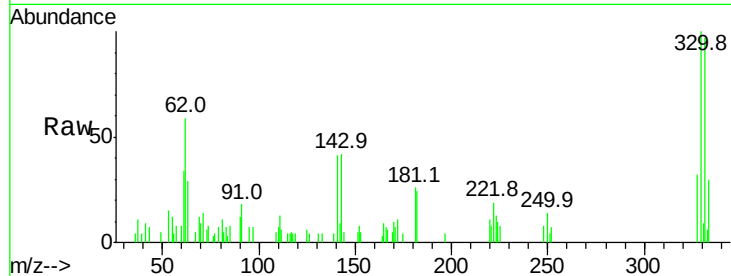
Tot Ion:330 Resp: 15292

Ion Ratio Lower Upper

330 100

332 99.6 76.6 115.0

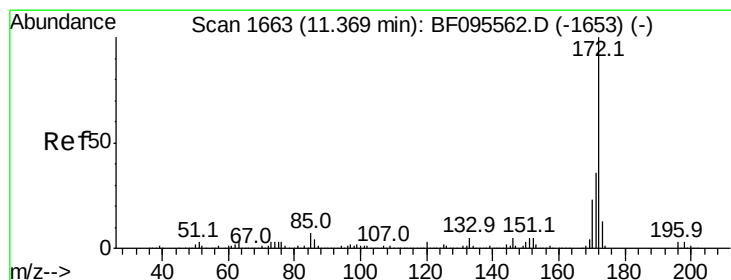
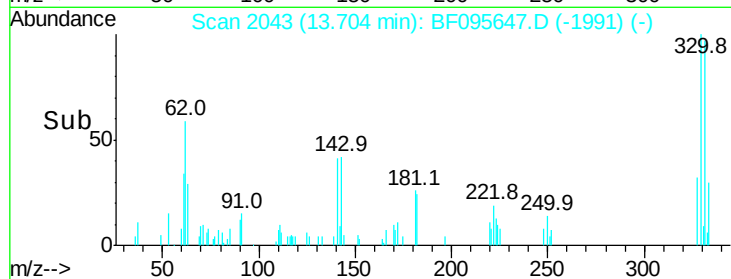
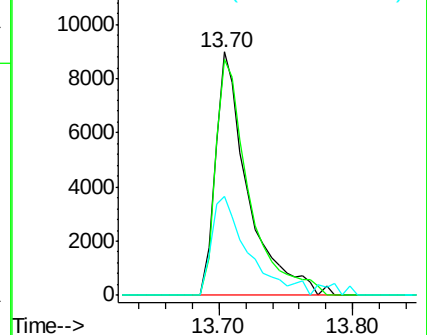
141 45.6 31.4 47.2



Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44

2-Fluorobiphenyl

Concen: 16.80 ng

RT: 11.35 min Scan# 1642

Delta R.T. -0.01 min

Lab File: BF095647.D

Acq: 2 Jun 2017 22:13

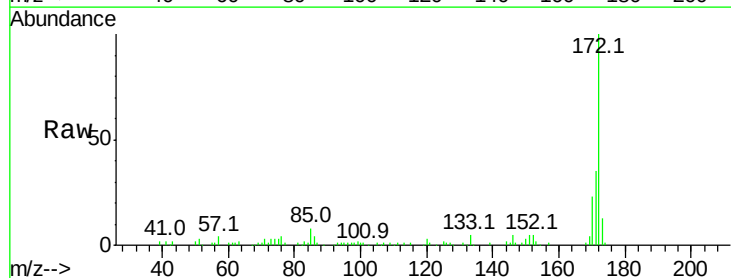
Tgt Ion:172 Resp: 124190

Ion Ratio Lower Upper

172 100

171 35.0 29.6 44.4

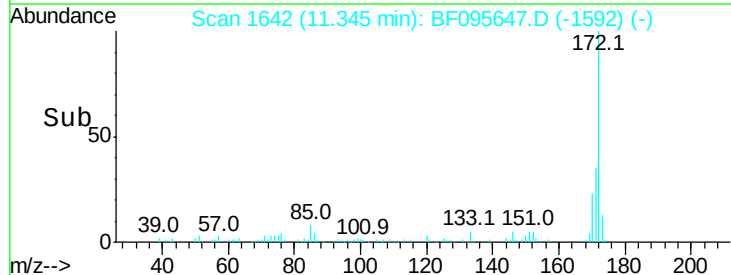
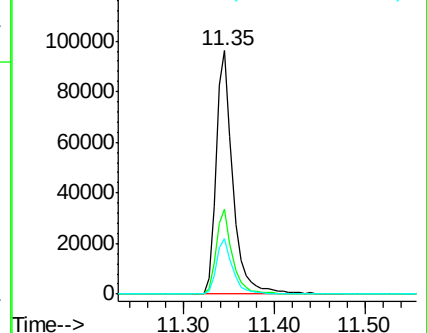
170 22.9 19.8 29.8

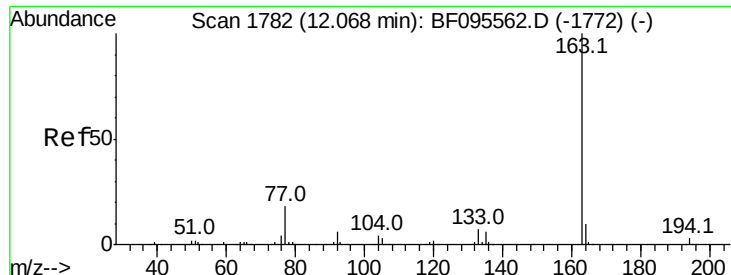


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

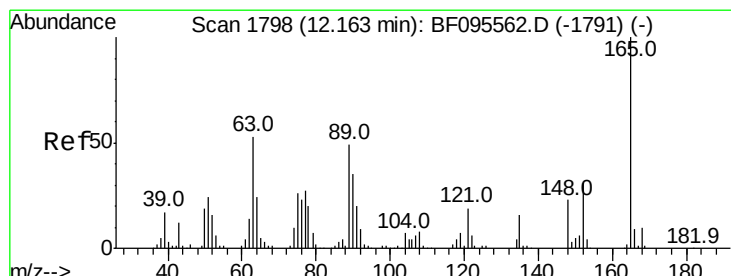
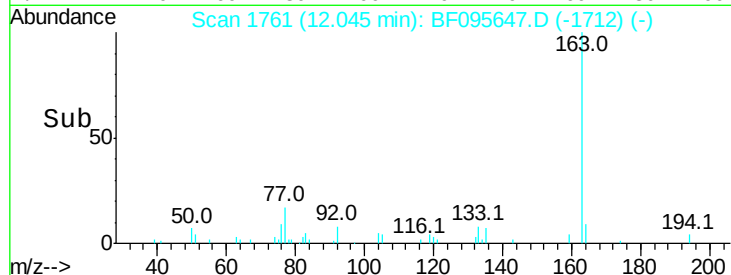
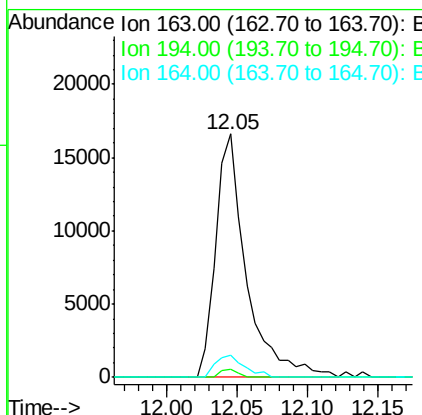
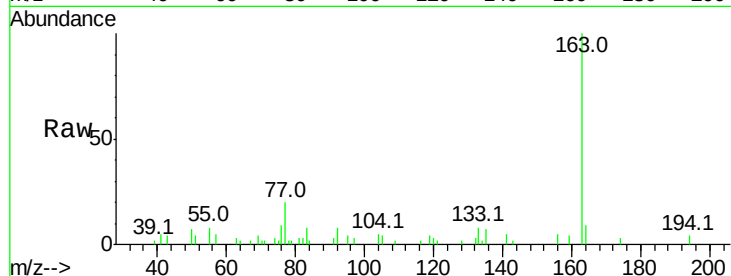




#49
Dimethylphthalate
Concen: 2.87 ng
RT: 12.05 min Scan# 1761
Delta R.T. -0.01 min
Lab File: BF095647.D
Acq: 2 Jun 2017 22:13

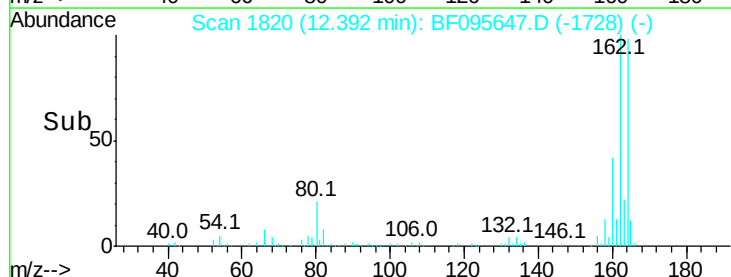
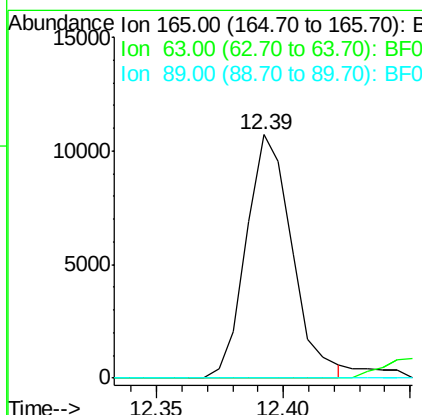
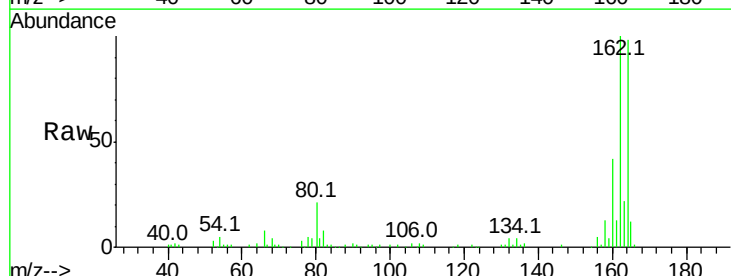
Instrument :
BNA_F
ClientSampleId :

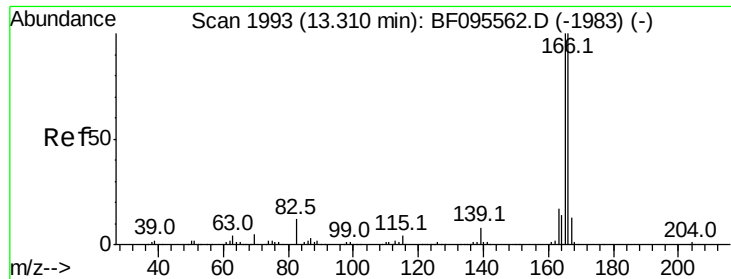
Tot Ion:163 Resp: 25060
Ion Ratio Lower Upper
163 100
194 3.6 2.6 4.0
164 9.0 8.4 12.6



#50
2,6-Dinitrotoluene
Concen: 7.57 ng
RT: 12.39 min Scan# 1820
Delta R.T. 0.24 min
Lab File: BF095647.D
Acq: 2 Jun 2017 22:13

Tgt Ion:165 Resp: 13479
Ion Ratio Lower Upper
165 100
63 0.0 34.3 51.5#
89 0.0 37.1 55.7#





#57

Fluorene

Concen: 2.03 ng

RT: 13.30 min Scan# 1974

Delta R.T. 0.00 min

Lab File: BF095647.D

Acq: 2 Jun 2017 22:13

Instrument :

BNA_F

ClientSampleId :

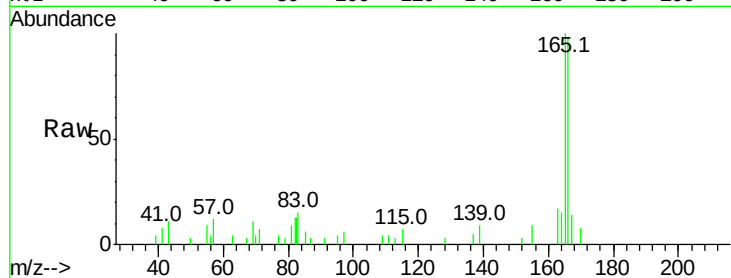
Tot Ion:166 Resp: 16505

Ion Ratio Lower Upper

166 100

165 102.0 78.8 118.2

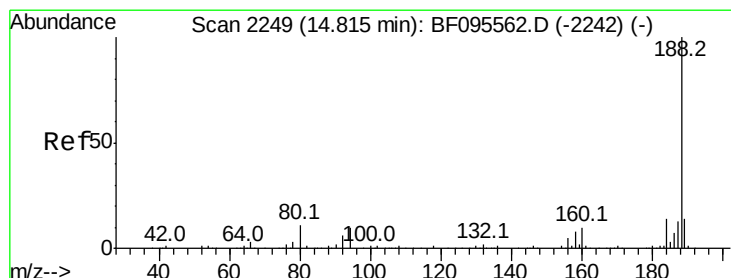
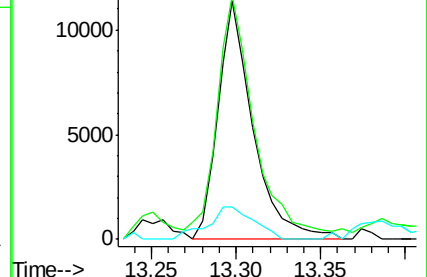
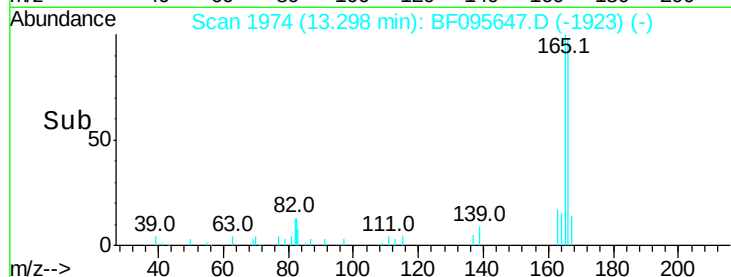
167 13.8 10.6 16.0



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 14.80 min Scan# 2229

Delta R.T. -0.01 min

Lab File: BF095647.D

Acq: 2 Jun 2017 22:13

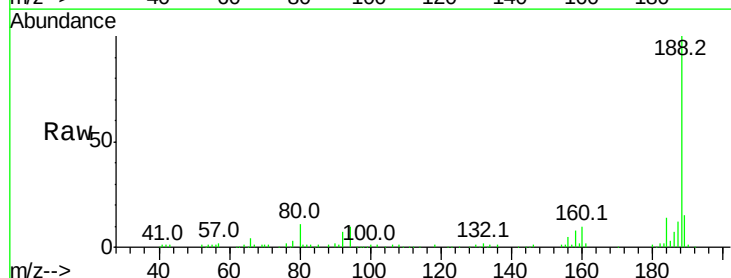
Tgt Ion:188 Resp: 163852

Ion Ratio Lower Upper

188 100

94 10.3 9.4 14.2

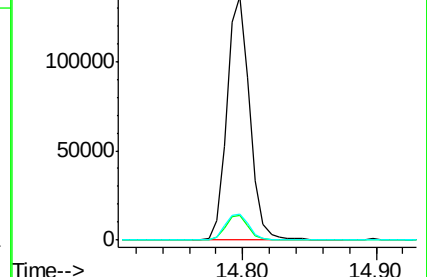
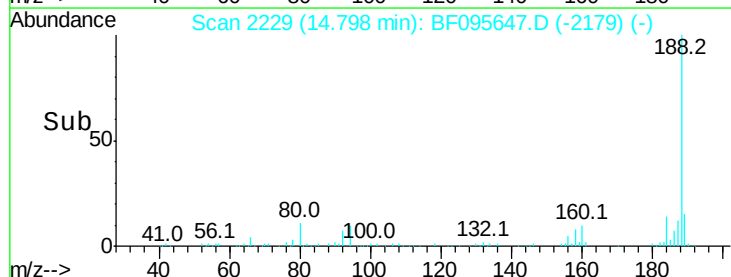
80 10.8 10.2 15.2

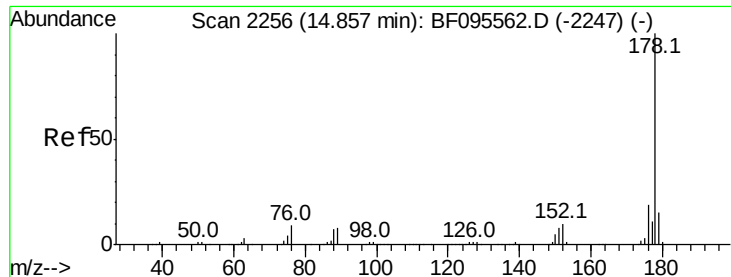


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

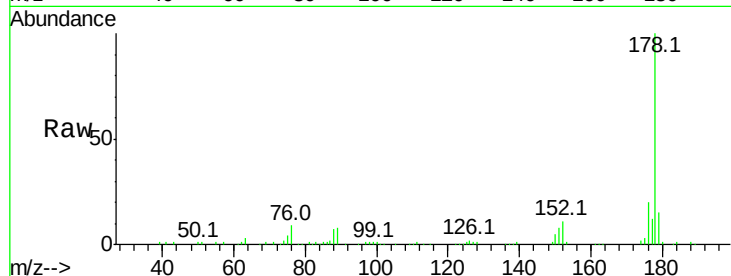




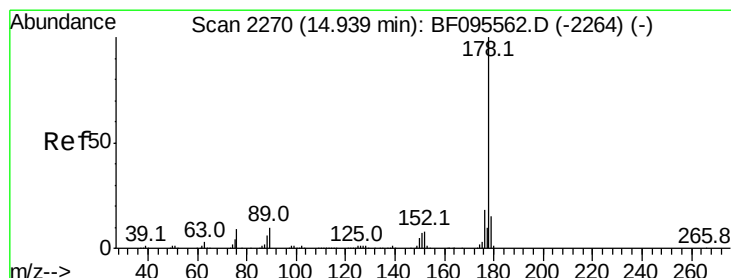
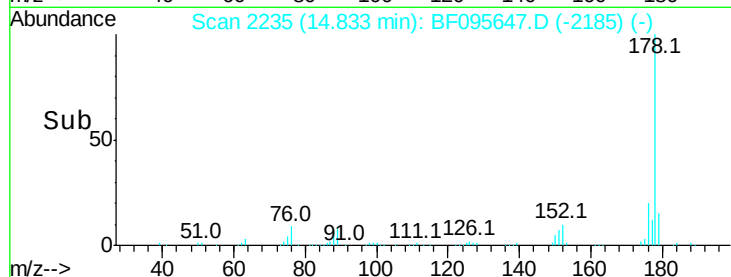
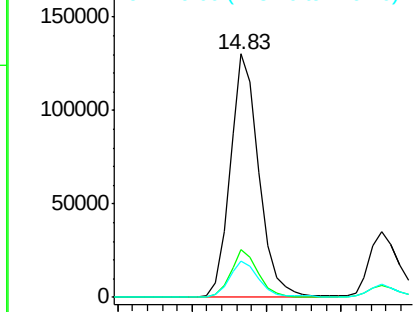
#70
Phenanthrene
Concen: 18.60 ng
RT: 14.83 min Scan# 2235
Delta R.T. -0.01 min
Lab File: BF095647.D
Acq: 2 Jun 2017 22:13

Instrument :
BNA_F
ClientSampleId :

Tot Ion:178 Resp: 175105
Ion Ratio Lower Upper
178 100
176 19.9 16.2 24.4
179 14.9 12.6 19.0

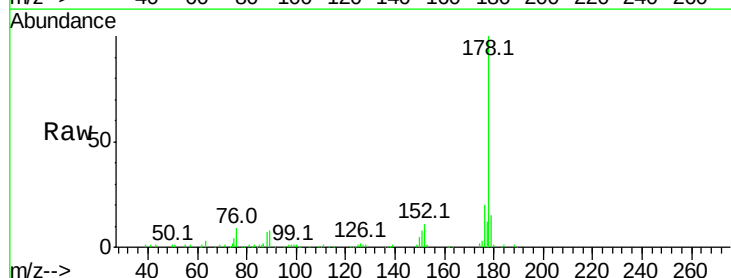


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

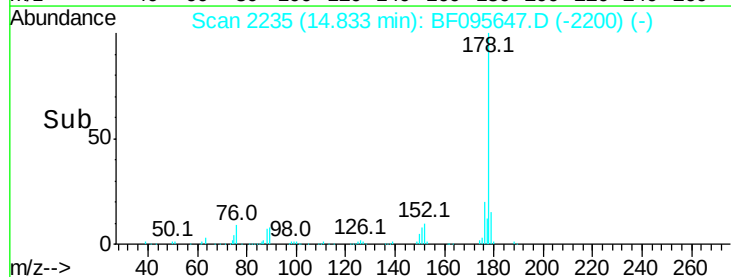
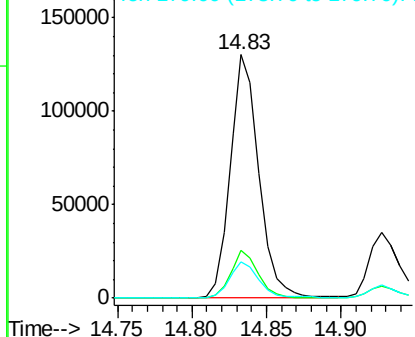


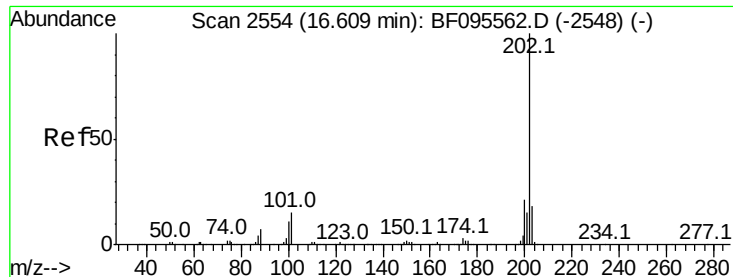
#71
Anthracene
Concen: 18.21 ng
RT: 14.83 min Scan# 2235
Delta R.T. -0.09 min
Lab File: BF095647.D
Acq: 2 Jun 2017 22:13

Tgt Ion:178 Resp: 175105
Ion Ratio Lower Upper
178 100
176 19.9 15.8 23.8
179 14.9 12.7 19.1



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 27.54 ng

RT: 16.60 min Scan# 2535

Delta R.T. -0.01 min

Lab File: BF095647.D

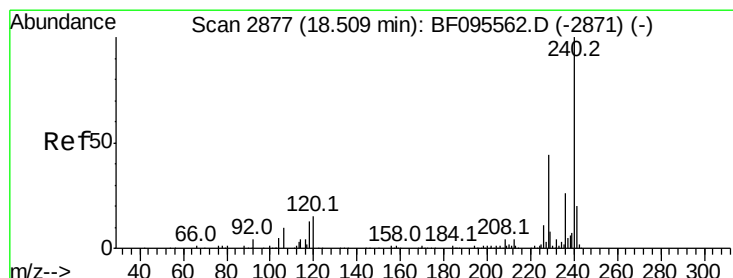
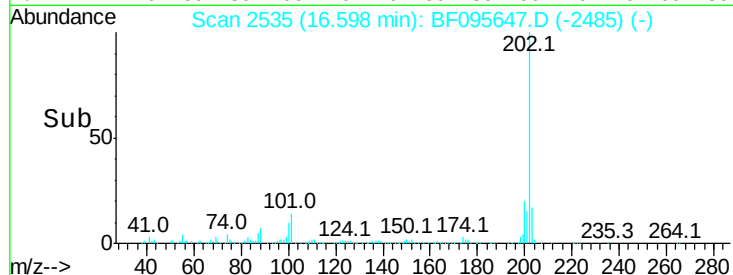
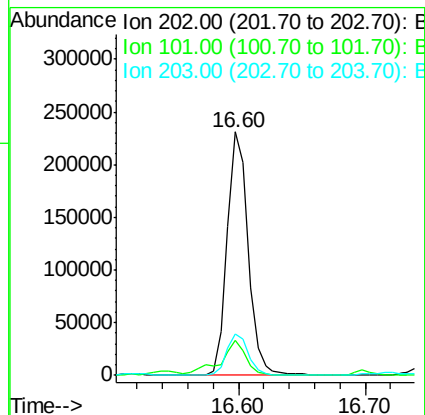
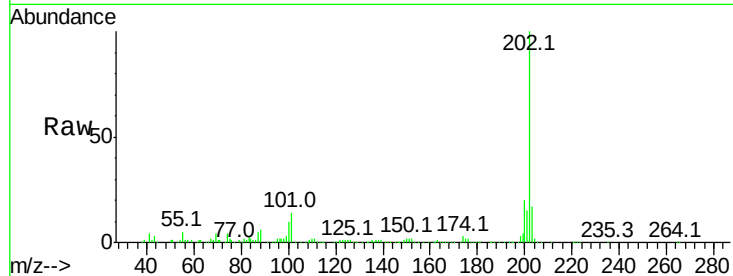
Acq: 2 Jun 2017 22:13

Instrument :

BNA_F

ClientSampleId :

Tot Ion:	202	Resp:	266005
Ion	Ratio	Lower	Upper
202	100		
101	14.2	0.0	33.2
203	17.0	0.0	38.1



#75

Chrysene-d12

Concen: 20.00 ng

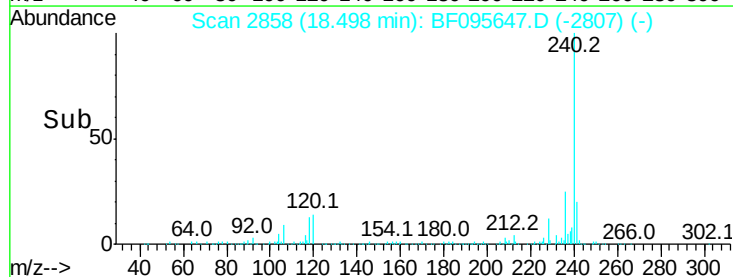
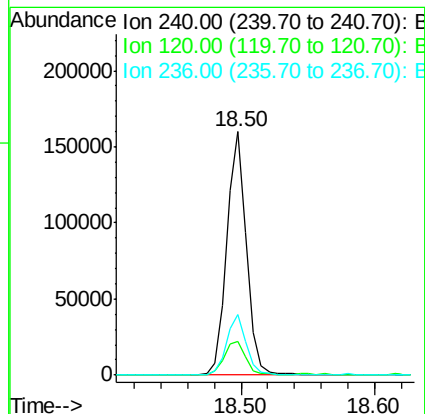
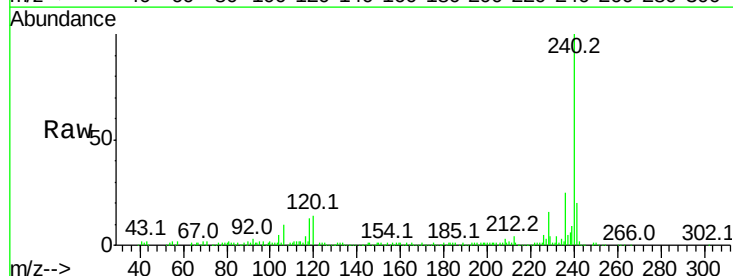
RT: 18.50 min Scan# 2858

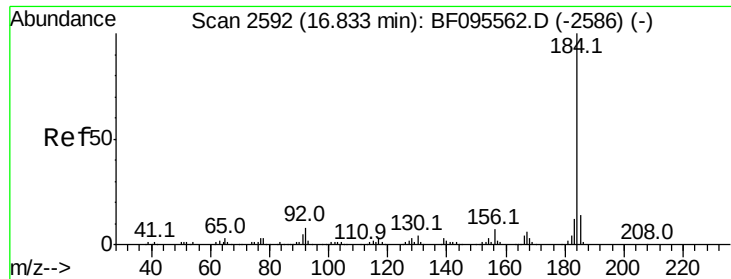
Delta R.T. 0.00 min

Lab File: BF095647.D

Acq: 2 Jun 2017 22:13

Tgt Ion:	240	Resp:	166458
Ion	Ratio	Lower	Upper
240	100		
120	14.0	5.8	8.8#
236	24.9	20.5	30.7





#76

Benzidine

Concen: 6.61 ng

RT: 16.87 min Scan# 2581

Delta R.T. 0.05 min

Lab File: BF095647.D

Acq: 2 Jun 2017 22:13

Instrument :

BNA_F

ClientSampleId :

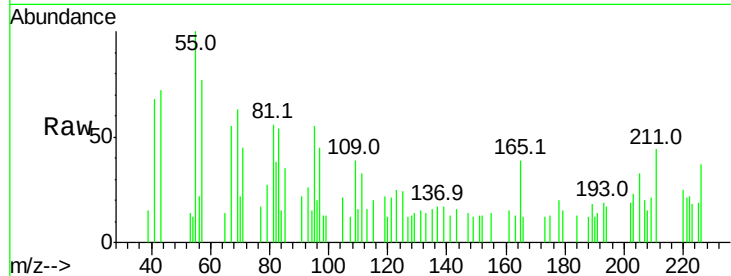
Tot Ion:184 Resp: 119

Ion Ratio Lower Upper

184 100

185 0.0 15.5 23.3#

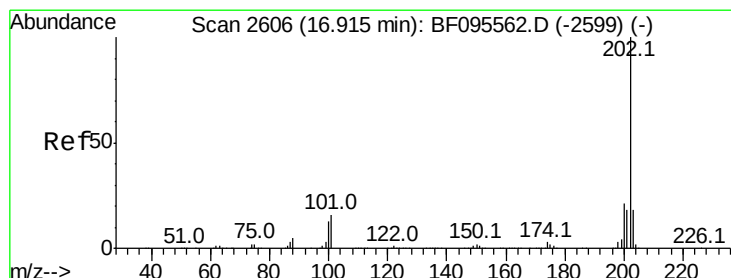
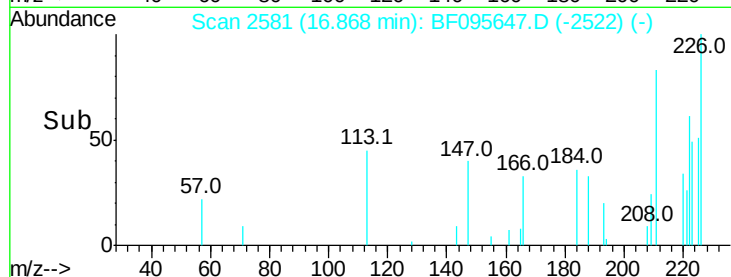
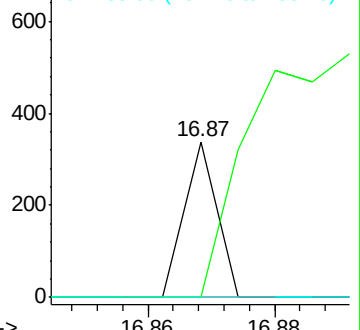
183 0.0 9.8 14.6#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#77

Pyrene

Concen: 21.06 ng

RT: 16.90 min Scan# 2587

Delta R.T. 0.00 min

Lab File: BF095647.D

Acq: 2 Jun 2017 22:13

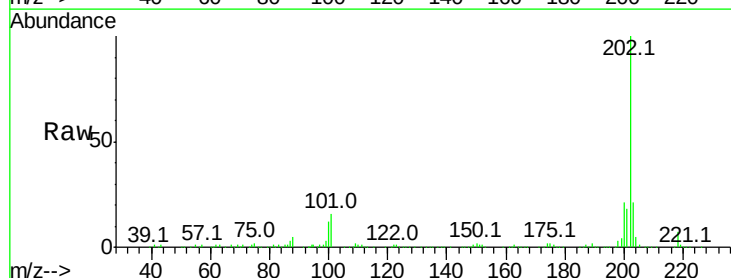
Tgt Ion:202 Resp: 262129

Ion Ratio Lower Upper

202 100

200 21.2 17.6 26.4

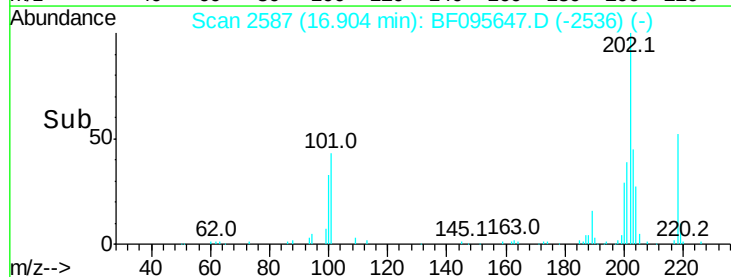
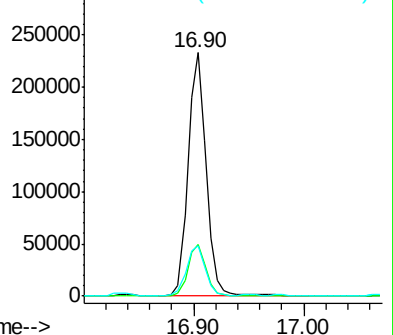
203 20.6 14.4 21.6

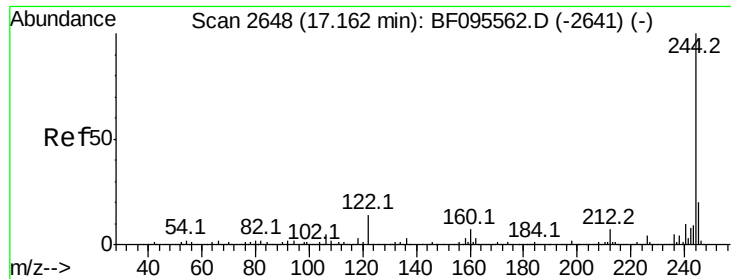


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

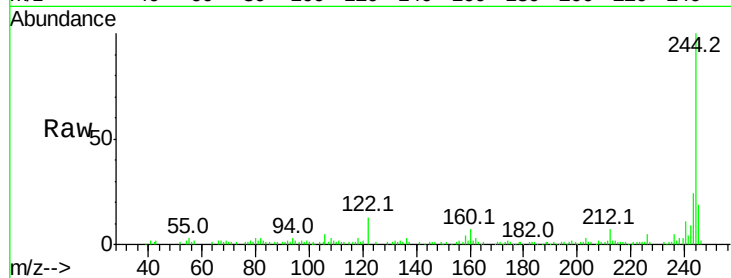




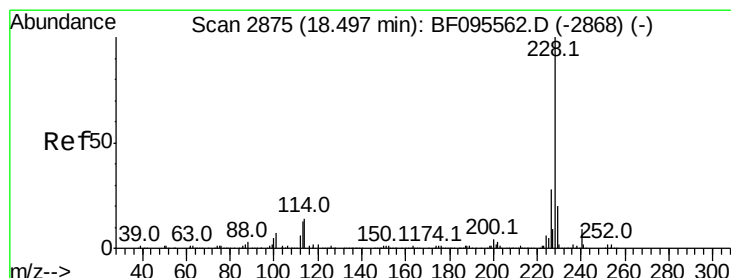
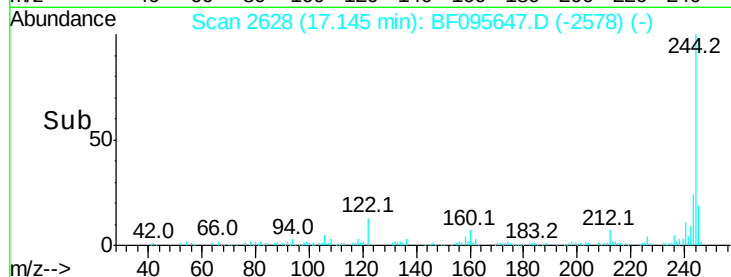
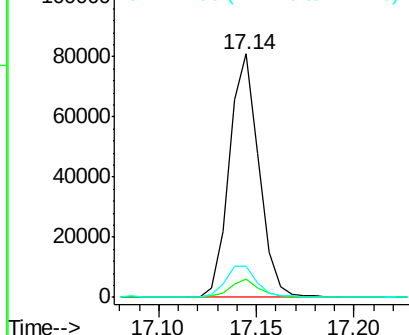
#78
 Terphenyl-d14
 Concen: 11.18 ng
 RT: 17.14 min Scan# 2628
 Delta R.T. -0.01 min
 Lab File: BF095647.D
 Acq: 2 Jun 2017 22:13

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:244 Resp: 84464
 Ion Ratio Lower Upper
 244 100
 212 7.3 6.0 9.0
 122 12.8 10.3 15.5

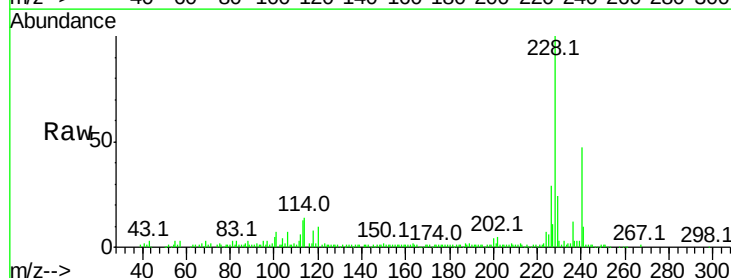


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

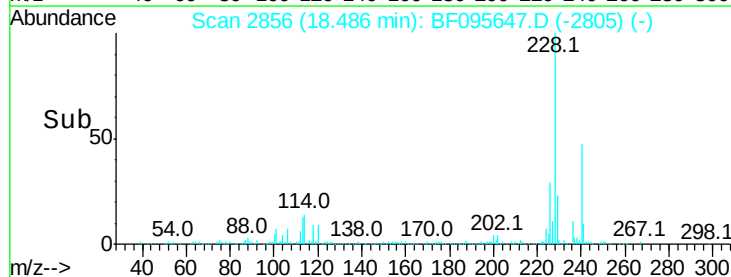
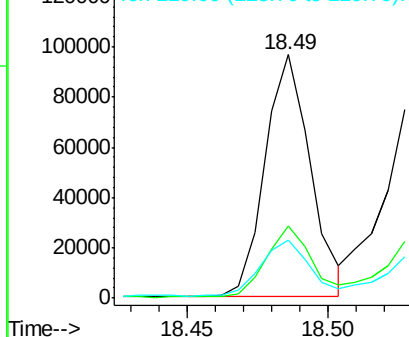


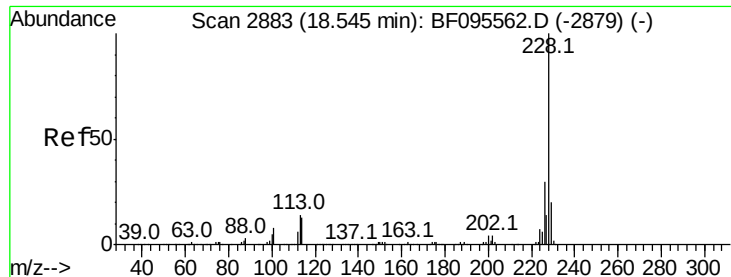
#80
 Benzo(a)anthracene
 Concen: 11.15 ng
 RT: 18.49 min Scan# 2856
 Delta R.T. 0.00 min
 Lab File: BF095647.D
 Acq: 2 Jun 2017 22:13

Tgt Ion:228 Resp: 107988
 Ion Ratio Lower Upper
 228 100
 226 29.4 22.6 33.8
 229 23.8 16.3 24.5



Abundance Ion 228.00 (227.70 to 228.70): E
 Ion 226.00 (225.70 to 226.70): E
 Ion 229.00 (228.70 to 229.70): E

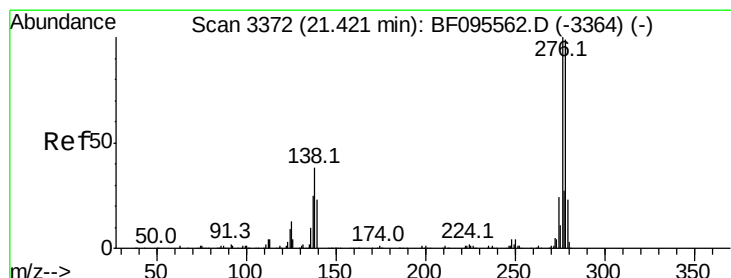
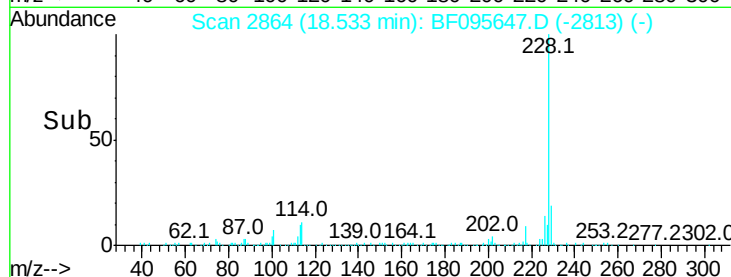
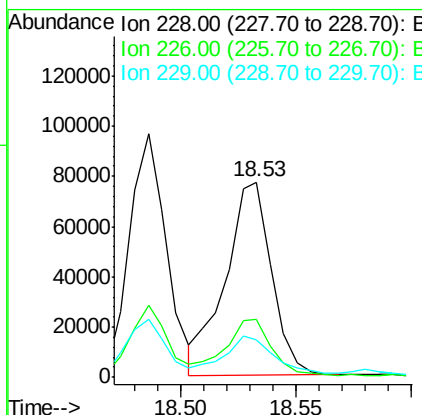
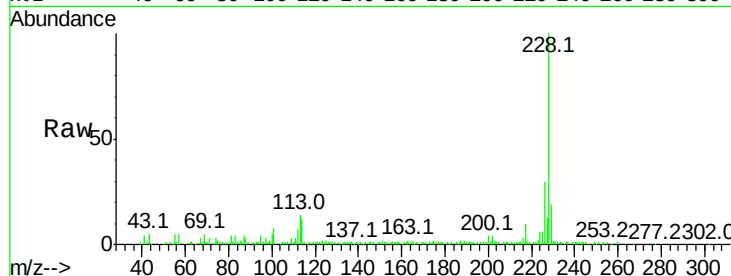




#82
Chrysene
Concen: 11.46 ng
RT: 18.53 min Scan# 2864
Delta R.T. 0.00 min
Lab File: BF095647.D
Acq: 2 Jun 2017 22:13

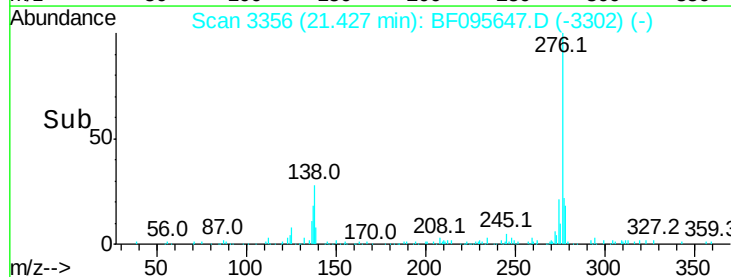
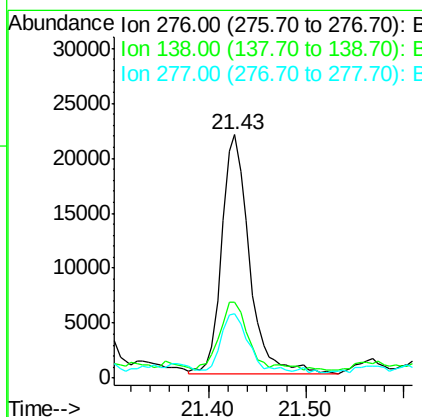
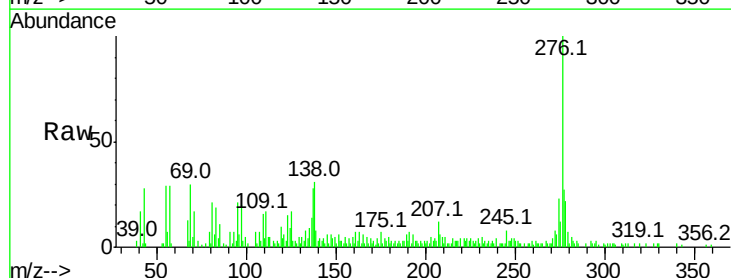
Instrument :
BNA_F
ClientSampleId :

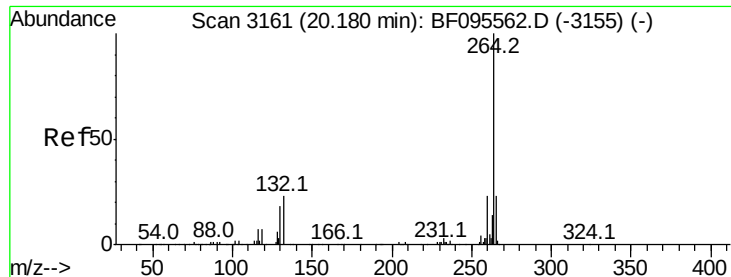
Tot Ion:228 Resp: 107349
Ion Ratio Lower Upper
228 100
226 29.9 24.9 37.3
229 19.4 15.8 23.6



#85
Indeno(1,2,3-cd)pyrene
Concen: 5.67 ng
RT: 21.43 min Scan# 3356
Delta R.T. 0.02 min
Lab File: BF095647.D
Acq: 2 Jun 2017 22:13

Tgt Ion:276 Resp: 43148
Ion Ratio Lower Upper
276 100
138 28.3 27.8 41.6
277 22.7 20.2 30.4

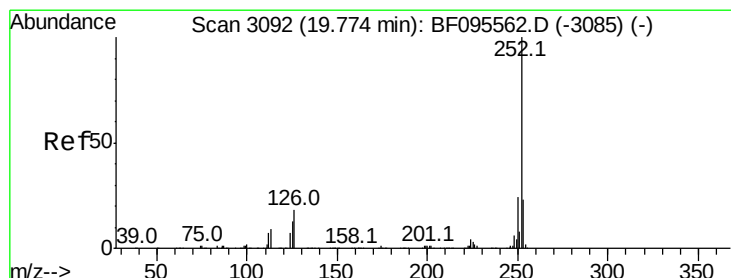
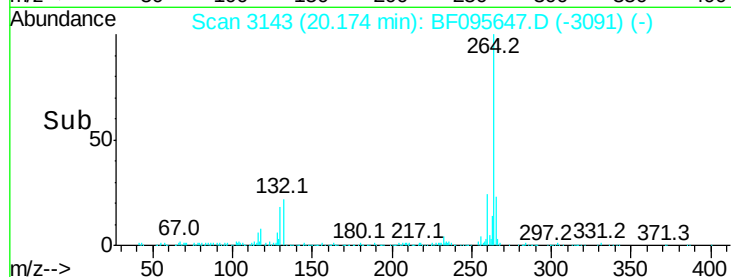
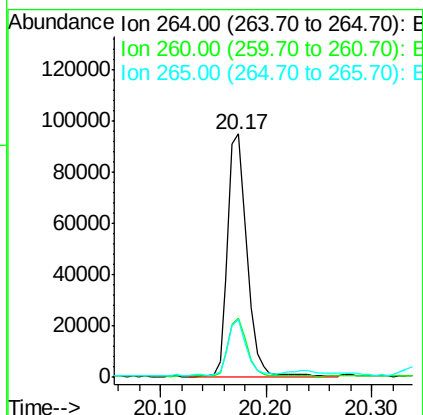
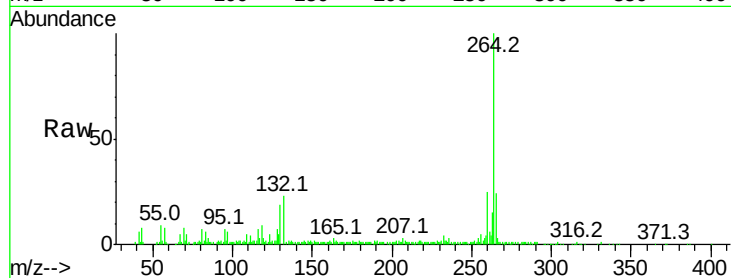




#86
Pervlene-d12
Concen: 20.00 ng
RT: 20.17 min Scan# 3143
Delta R.T. 0.01 min
Lab File: BF095647.D
Acq: 2 Jun 2017 22:13

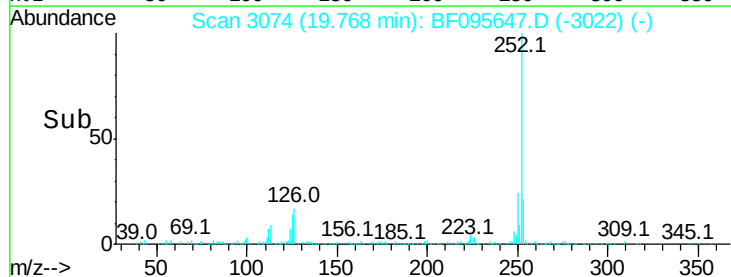
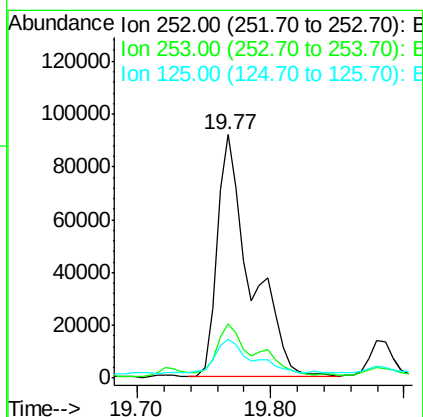
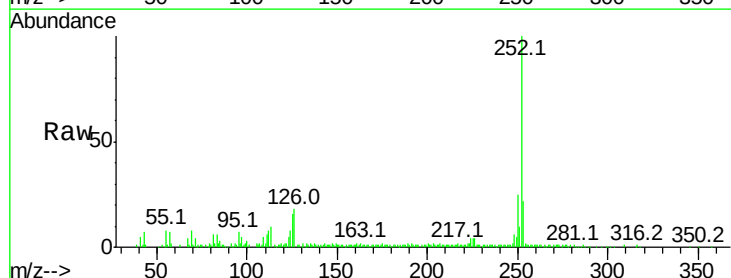
Instrument :
BNA_F
ClientSampleId :

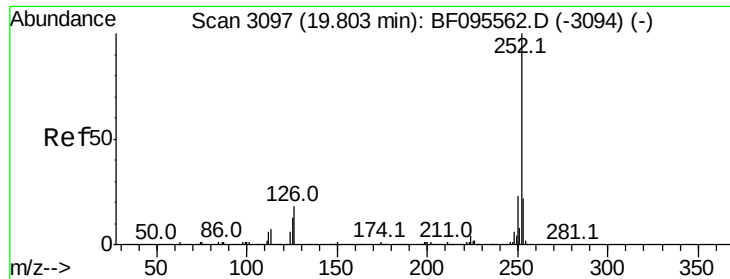
Tot Ion:264 Resp: 119619
Ion Ratio Lower Upper
264 100
260 24.5 19.5 29.3
265 23.9 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 21.44 ng
RT: 19.77 min Scan# 3074
Delta R.T. 0.01 min
Lab File: BF095647.D
Acq: 2 Jun 2017 22:13

Tgt Ion:252 Resp: 158455
Ion Ratio Lower Upper
252 100
253 22.2 18.1 27.1
125 16.1 9.8 14.8#

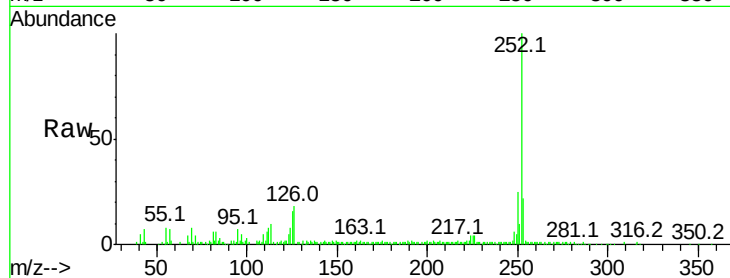




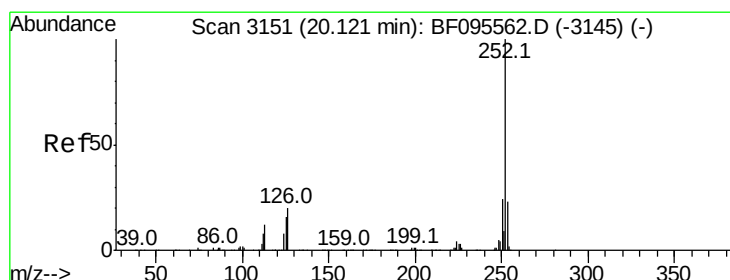
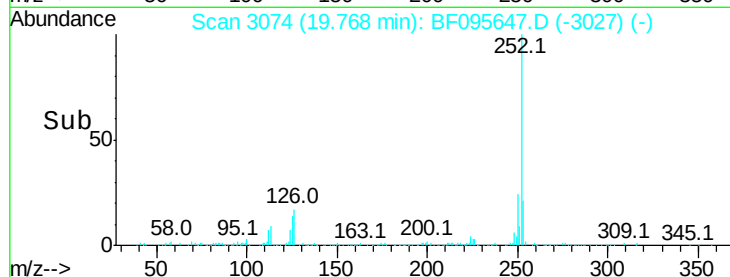
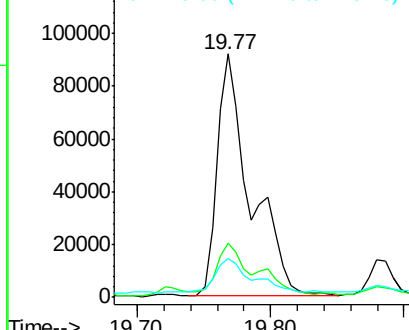
#88
Benzo(k)fluoranthene
Concen: 22.22 ng
RT: 19.77 min Scan# 3074
Delta R.T. -0.02 min
Lab File: BF095647.D
Acq: 2 Jun 2017 22:13

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.2	18.4	27.6
125	16.1	13.1	19.7

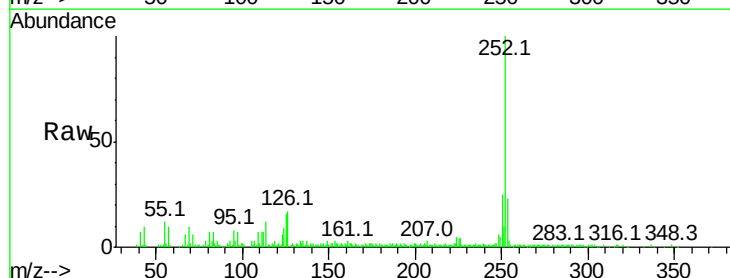


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

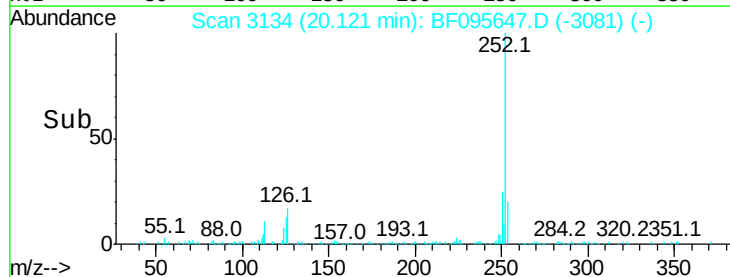
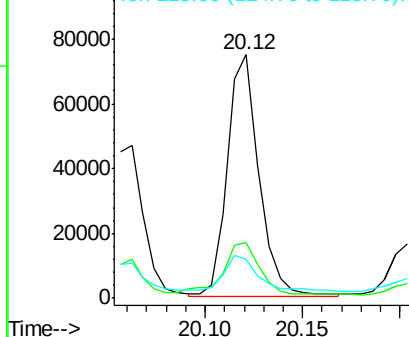


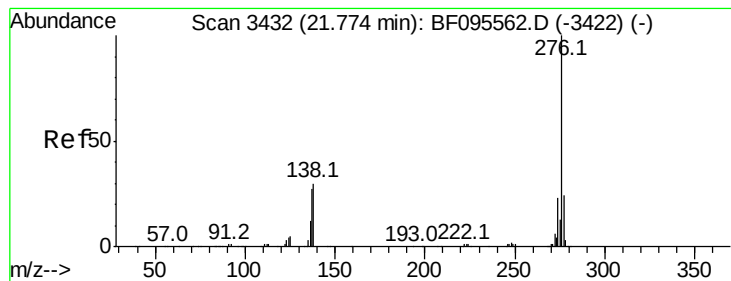
#89
Benzo(a)pyrene
Concen: 12.22 ng
RT: 20.12 min Scan# 3134
Delta R.T. 0.01 min
Lab File: BF095647.D
Acq: 2 Jun 2017 22:13

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.5	26.3
125	16.0	11.0	16.4



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#91
 Benzo(a,h,i)perylene
 Concen: 6.96 ng
 RT: 21.79 min Scan# 3417
 Delta R.T. 0.03 min
 Lab File: BF095647.D
 Acq: 2 Jun 2017 22:13

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	27.1	18.6	28.0
138	39.6	25.4	38.0

